I st And Final Bill Work Code. 005-19-000019

M. A. R. 57 (Rule 116)

Measurement Book

No. B Est Cost Rs. 7.50 lacs

Serial No. .....

Name of Work ..... Repair And Maintenance of existing Dry Waste Collection Center building From ..... To ..... At Palanahalli in Ward No. 05

353147

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of Contractor.	Sri.	Narayana Rao. S. N. Nagenahally.				B. Core. 560077
	Work order No.	BBMP	EE	BTP	WO	17/20	19.20.
(1)	Earthwork for Foundation of buildings water supply Sanitary lines and electrical conduits either in Pits or in trenches 1.50 mtr and above in width in hard soil not exceeding 1.50 mtr in depth including Dressing						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	the bottom and sides of pits and removing stagnant the excavated soil clear from edges of excavation with lead upto 50 MSW after spreading & dressing complete as per specification.						
	As per pre-measurement recorded vide page No.. 353 179 in this MB.						
						34.41	6511:06
	Page: 189:22						
(2)	Providing and laying in position Plain Cement concrete of Mix M7.5 with OPC Cement at 180 kg with 40mm and downsize graded granite metal						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency 353148

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Coarse aggregate of 0-892 mm and fine aggregate 0.87 mm machine mixed concrete laid in layers not exceeding 15 cms thick well compacted in foundation and plinth including cost of all materials labour on roof & machinery curing complete as per specification. As per Pre-Measurement recorded vide Page No. 353179 to 353180 in this MB. Page. 4872:65					34.60 m³	168593:69

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MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(3)	Providing and constructing granite / freq / basalt dressed stone masonry in foundation with mortar 1:8 stone hammered dressed in courses not less than 20 cms high bond stones at 2.0 M apart in each course including cost of materials labour curing complete as per specification.						
	As per Pre-measurement recorded vide Page No.- 353180 to 353181 in this MB.					10.75 m^3	43448:1
	Page. No 41:68						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency 353149

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(4)	Providing and constructing granite trap basalt rubble stone masonry in basement with cement mortar 1:6 edges & stones chisseled dressed in courses not less than 15 cms high and stones as 2.0 mtr apart in courses not less than 15 cms including cost of materials labour curing complete as per specification.						
		2	11.95	0.60	0.60	8.60 m^3	
	Rate. 5010:81						43092:96

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(5)	Providing and constructing granite/stone/boulder laying in position plain cement concrete of mix 1:3:6 with OPC cement at 220 kg with 20 mm down size graded granite metal coarse aggregate & 0.5 cum and fine aggregate of 0.56 cum sand use in cement concrete laid in layers not exceeding 15 cms thick well compacted in foundation and plinth including cost all necessary labour tools & machinery curing complete as per specification.						
		2	11.95	0.60	0.10	1.43	
	Rate · 5090:-00	1	11.95	0.90	0.10	1.07	12727:-
						2.50 M³	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

353150

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(6)	Providing fresh pointing to same over rubble coarse or uncoursed stone masonry with cement mortar 1:3 20mm deep after raking joints to depth & 20mm including cost & materials curing complete as per specification.						
		2	11.95	-	0.60	14.34 M^2	
	Rate. 97:11						1392:55

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(7)	Providing and laying in position Plain Cement Concrete M 20 with OPC cement as 320 kg with 20 mm and down size graded granite metal coarse aggregate as 0.87 cum and fine aggregate as 0.489 cum with superplasticizer as 3.2 kg conforming to IS 9103-1999 Reinforced machine mixed exceeding 15 cm slump mixed with for all works in foundation plinth and ground floor level for roof slabs staircase lintels including all lift and all necessary lift etc. complete as per specification.						
	Page. 5906:53	1	11.95	2.10	0.23	5.77 m^3	34080:67

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

353151

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(8)	Providing TMT Steel reinforcement for RCC work including straightening cutting bending hooking placing in position lapping and or welding wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (cost hooks and wastage shall not be measured and paid cost & materials complete as per specification. As per Pre-measurement recorded inside page No.. 353181 to 353182 in this MB Rate. 59553:65					0.52 Ton,	30967:89

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(9)	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC) for RCC works laid in 15 cms thick layers by well compacted vibrating curing finishing with neat cement mortar from working and scaffolding to working pumping of concrete with all leads and lifts etc. complete (excluding of cost of steel and reinforcing changes) ready mixed concrete M20 for roof slab etc. - complete as per specification.	1	10.00	10.00	0.10	10.00	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

353152

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	15.00	6.80	0.10	10.20	
						20.20	M^3
	Rate. 5776:82						116691:76
(10)	Filling available excavated earth (excluding rock) in sides & foundation up to plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering wherever found						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cost upto 1.50 MM including cost of all labour charges as per specification.						
	Quantity vide item No. (I)					34.41 m³	
	Rate. 127 : 15						4375 : 23
	(II) Providing and applying painting two coats (excluding priming coat) on new wood surface and/or wood based surface with enamel paint to give an even shade cleaning the surface of all dirt dust and foreign matter sand papering including cost of materials labour charges as per specification						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

353153

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Inside Painting						
		1	12.00	11.00	–	132.00	
		1	12.00	6.00	–	72.00	
		2	15.00	11.00	–	330.00	
		0.50 x 2	12.00	3.00	–	36.00	
	Tiles .1	2	1.20	3.00	–	7.20	
		2	1.20	3.00	–	7.20	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Tiles. 2	2	1.20	3.00	–	7.20	
		2	1.20	3.00	–	7.20	
						598.00 m^2	
	Deduction						
	Ventilators	12	1.20	0.90	–	12.96 m^2	
	Net Qty.	(598.00 – (12.96) =				585.04 m^2	
				Limited to		578.00 m^2	
	Page. 84:10						48609:80

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

353154

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(12)	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material free from mortar drops and other foreign matter complete as per specification. @ as side painting	1	15.60	11.00	–	171.60	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	15.60	11.00	-	171.60	
		1	12.60	11.00	-	138.60	
		1	12.60	6.00	-	75.60	
		0.50×2	12.60	3.00	-	37.80	
						595.20 m²	
	Deduction						
	Ventilator.	12	1.20	0.90	-	12.96 m²	
	Net Qty	-(595.20	-12.96)			= 582.24 m²	
			limited	to		540.00 m²	
	Rate - 84=10						45414=

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency 353155

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
(13)	Providing and fixing ceramic tiles of size 600x600mm for flooring dimends steps and landing laid on a bed of 20mm thick cement mortar 1:3 mix flush pointing with white cement mixed with matching colour pigment including curing cleaning etc. Complete the work as per specification including curing cleaning etc. Complete the work including cost of all materials labour charges & all taxes or work hire charges for equipments etc. Complete as per specification.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Tiles (a)	1	1.20	1.20	-	1.44	
	sides	2	1.20	2.10	-	5.04	
		2	1.20	2.10	-	5.04	
	(b)	1	1.20	1.20	-	1.44	
	sides	2	1.20	2.10	-	5.04	
		2	1.20	2.10	-	5.04	
						23.04	m^2
	Deduction						
	Doors.	2	0.60	2.10	-	2.52	m^2
						20.52	m^2
	Rate. 1076.25						22084.65

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency 353156

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(14)	Providing and fixing in wall surface 2.5 kg/sqcm HDPE Rain down water pipes 90mm outer dia approved make and brand with necessary specials like shoes bends and offsets fixed with iron clamps wall plugs screws including cost of materials labour curing complete as per specification						
		6	5.00	–	–	30.00	MTR
	Page. 398 : 46						11953 : 80

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(15)	Providing and fixing chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including fixing the pipe with clamps at 1.0 mtr spacing this includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete.						
	20mm pipes.	1	19.00	-	-	19.00 Mtr	
	Rate. 125:15						2377:85
(16)	25mm dia CPVC pipes.						
	Rate. 165:19	1	19.30	-	-	19.30 Mtr	3188:1

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

353157

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(17)	32mm dia CPVC Pipes						
		1	15.00	-	-	15.00 Mtr	3228:75
	Rate. 215:25						
(18)	Providing and fixing white vitreous clay Water closet European type (Pedestal type P trap) with black solid Plastic seat and lid CP brass hinges rubber buffers bolters low level pre flushing cistern all are approved make with fittings & fixings 40mm diameter flush pipe with						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref to Meas
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	fittings CI/MS brackets 12mm diameter flush fe with fittings and clamps overflow arrangements and 25mm mosquito proof complete of approved design painting of fittings and brackets including cost of mat labour complete as per specification.	1	-	-	-	1 nos	5135
	Rate. 5135:95						
(19)	Providing and fixing white vitreous china cl flat back wash basin size 630 x 450mm with a p 15mm CP brass pillar taps with CI/MS brackets CP brass waste of standered pattern painting &						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

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me of Work ..... From..... To.....

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353158

Date	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	and fracness cutting and making good the wall and floor wherever required including cost of materials labour complete as per specification.						
		1	–	–	–	1 Nos	
	Rate. 3890:51						3890:51
20	Providing and placing on terrace polyethylene water storage tanks as per IS 12701 1996 with manhole lid and suitable locking arrangements making holes & suitable						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	diameter for circle angles and every flow pipes including cost of all necessary cargo transport charges from & equipments and lifting complete as per specification (For 1000 liter capacity).						
	Rate. 8476=82	1	-	-	-	1 Nos	8476:82
					Total Rs.		616244:00

24/9/19

CGFC

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ನೀರಾವರಿ ಉಪ ವಿಭಾಗ
ಕೆ.ಆರ್.ಐ.ಡಿ.ಎಲ್., ಬೆಂಗಳೂರು-24

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

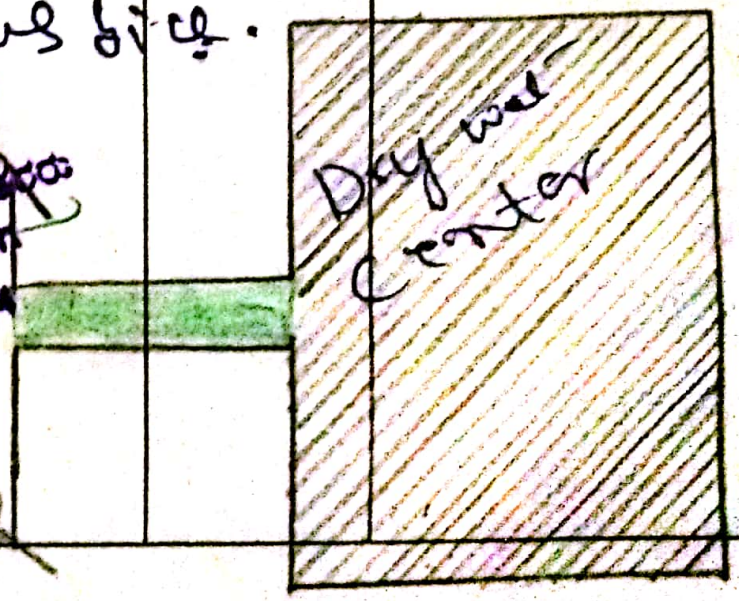
353159

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	certificate -	(1) certificate that the work done satisfactory (2) This bill amount has not been claimed in any of previous bill.					

24/9/19
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಪಿ.ಡಿ.ಎಂ.ಸಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಪಿ.ಡಿ.ಎಂ.ಸಿ., ಬೆಂಗಳೂರು-26

Palanahalli



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